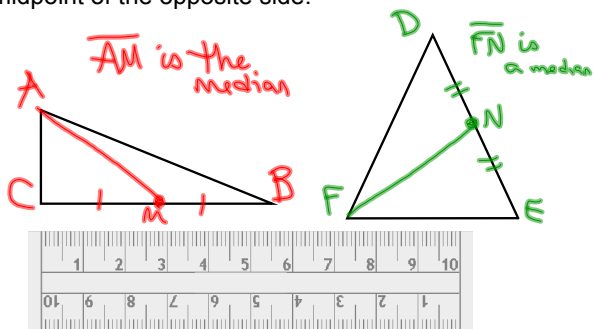
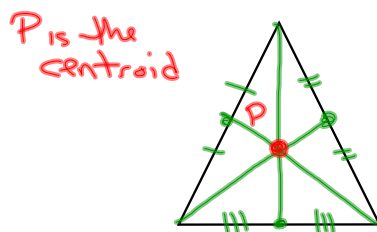


4-6 Medians of a Triangle

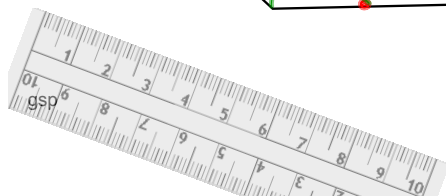
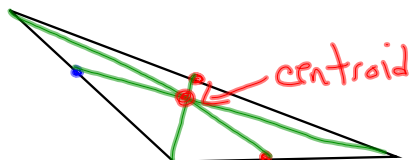
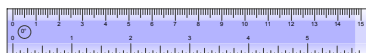
Median of a triangle -- segment from a vertex to the midpoint of the opposite side.



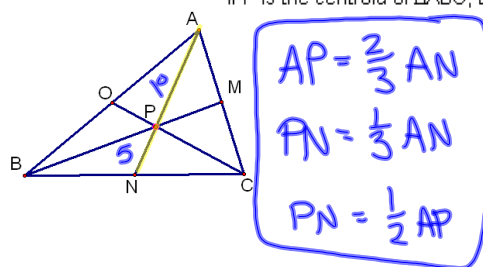
Centroid -- The point where 3 medians of a triangle intersect



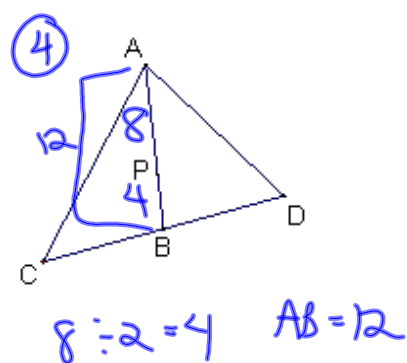
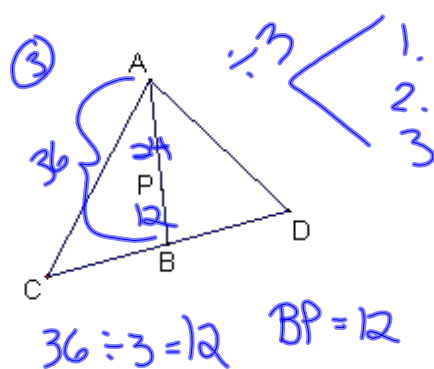
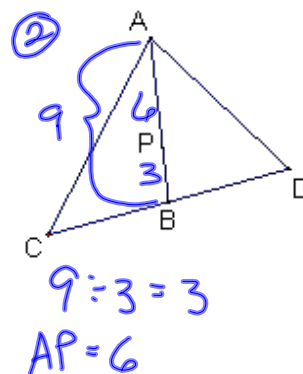
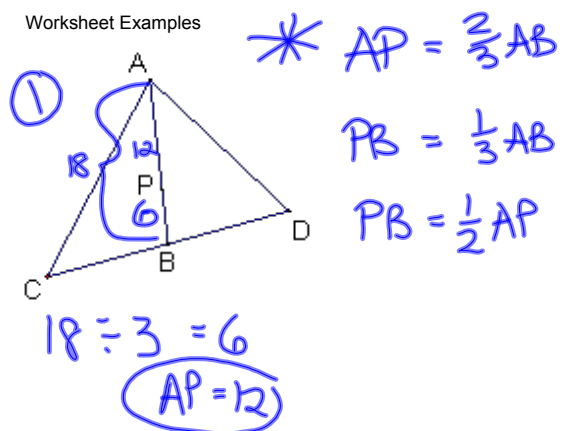
Draw the centroid for the following triangle.

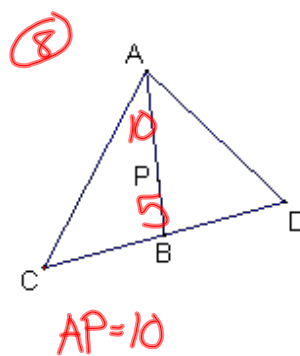
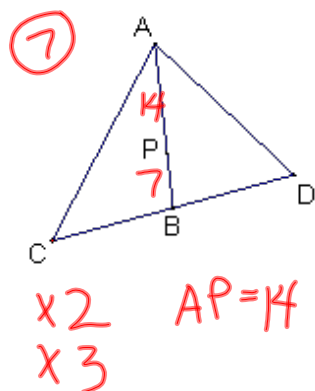
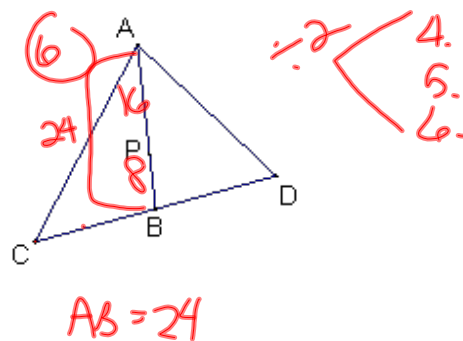
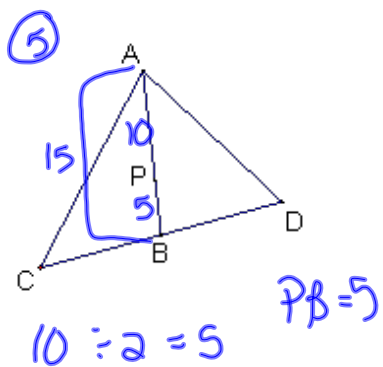


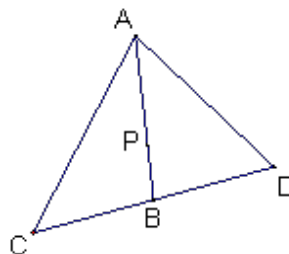
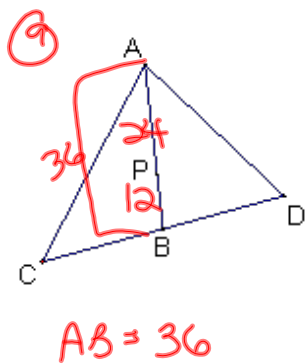
If P is the centroid of $\triangle ABC$, then



Worksheet Examples







Example:

P is the centroid.

$$BC = 5$$

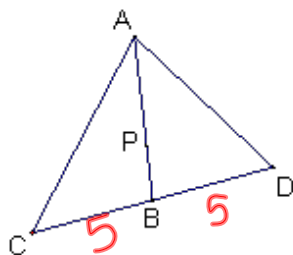
$$AP = 12$$

FIND

BD

BP

AB



Example:

P is the centroid.

$$BC = 8$$

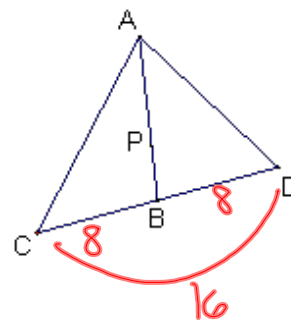
$$AP = 14$$

FIND

BD

BP

AB



HW

Back of WS $x^2 \begin{cases} 7. \\ 8. \\ 9. \end{cases}$

Attachments

Centroid_measures.gsp